

SEQUENCE LISTING

<110> DARNAY, BRYANT G.

<120> METHODS AND COMPOSITIONS USING POLYNUCLEOTIDES AND
POLYPEPTIDES OF RANK-ASSOCIATED INHIBITOR (RAIN)

<130> UTSC:761US

<140> UNKNOWN

<141> 2003-07-29

<150> 60/399,205

<151> 2002-07-29

<160> 23

<170> PatentIn Ver. 2.1

<210> 1

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

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ggc gcg cag gac aag gag cat cca aga tac ctg atc cca gaa ctt tgc	96
Gly Ala Gln Asp Lys Glu His Pro Arg Tyr Leu Ile Pro Glu Leu Cys	
20 25 30	
aaa cag ttt tac cat tta ggc tgg gtc act ggg act gga gga gga att	144
Lys Gln Phe Tyr His Leu Gly Trp Val Thr Gly Thr Gly Gly Gly Ile	
35 40 45	
agc ttg aag cat ggc gat gaa atc tac att gct cct tca gga gtg caa	192
Ser Leu Lys His Gly Asp Glu Ile Tyr Ile Ala Pro Ser Gly Val Gln	
50 55 60	
aag gaa cga att cag cct gaa gac atg ttt gtt tgt gat ata aat gaa	240
Lys Glu Arg Ile Gln Pro Glu Asp Met Phe Val Cys Asp Ile Asn Glu	
65 70 75 80	
aag gac ata agt gga cct tcg cca tcg aag aag cta aaa aaa agc cag	288
Lys Asp Ile Ser Gly Pro Ser Pro Ser Lys Lys Leu Lys Lys Ser Gln	
85 90 95	
tgt act cct ctt ttc atg aat gct tac aca atg aga gga gca ggt gca	336
Cys Thr Pro Leu Phe Met Asn Ala Tyr Thr Met Arg Gly Ala Gly Ala	

25318283.1

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cca	gga	cgg	gag	ttt	aaa	att	aca	cat	caa	gag	atg	ata	aaa	gga	ata	432		
Pro	Gly	Arg	Glu	Phe	Lys	Ile	Thr	His	Gln	Glu	Met	Ile	Lys	Gly	Ile			
130						135			140									
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Val	Pro	Ile	Ile	Glu	Asn	Thr	Pro	Glu	Glu	Lys	Gly	Leu	Lys	Asp	Arg			
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Met	Ala	His	Ala	Met	Asn	Glu	Tyr	Pro	Asp	Ser	Cys	Ala	Val	Leu	Val			
180						185			190									
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Arg	Arg	His	Gly	Val	Tyr	Val	Trp	Gly	Glu	Thr	Trp	Glu	Lys	Ala	Lys			
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acc	atg	tgt	gag	tgt	tat	gac	tat	tta	ttt	gat	att	gcc	gta	tca	atg	672		
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Lys	Lys	Val	Gly	Leu	Asp	Pro	Ser	Gln	Leu	Pro	Val	Gly	Glu	Asn	Gly			
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 35 40 45
 Ser Leu Lys His Gly Asp Glu Ile Tyr Ile Ala Pro Ser Gly Val Gln
 50 55 60
 Lys Glu Arg Ile Gln Pro Glu Asp Met Phe Val Cys Asp Ile Asn Glu
 65 70 75 80
 Lys Asp Ile Ser Gly Pro Ser Pro Ser Lys Lys Leu Lys Lys Ser Gln

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Lys	Lys	Cys	Thr	Ser	Gly	Gly	Tyr	Tyr	Arg	Tyr	Asp	Asp	Met	Leu	Val		
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Gln	Phe	Tyr	His	Leu	Gly	Trp	Val	Thr	Gly	Thr	Gly	Gly	Gly	Ile	Ser		
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att	cat	acc	cac	tct	aaa	gct	gct	gtg	atg	gct	acc	ctt	ctg	ttt	cca	384
Ile	His	Thr	His	Ser	Lys	Ala	Ala	Val	Met	Ala	Thr	Leu	Leu	Phe	Pro	
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Pro	Ile	Ile	Glu	Asn	Thr	Pro	Glu	Glu	Lys	Asp	Leu	Lys	Glu	Arg	Met	
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Ala	His	Ala	Met	Asn	Glu	Tyr	Pro	Asp	Ser	Cys	Ala	Val	Leu	Val	Arg	
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cgt	cat	ggg	gtg	tac	gtg	tgg	gga	gaa	aca	tgg	gag	aaa	gca	aaa	acc	624
Arg	His	Gly	Val	Tyr	Val	Trp	Gly	Glu	Thr	Trp	Glu	Lys	Ala	Lys	Thr	
		195					200					205				
atg	tgt	gag	tgt	tat	gac	tac	ctg	ttt	gac	att	gct	gtc	tcc	atg	aag	672
Met	Cys	Glu	Cys	Tyr	Asp	Tyr	Leu	Phe	Asp	Ile	Ala	Val	Ser	Met	Lys	
	210					215					220					
aag	atg	gga	ctc	gat	cca	aca	cag	ctc	cca	gtt	gga	gaa	aat	gga	att	720
Lys	Met	Gly	Leu	Asp	Pro	Thr	Gln	Leu	Pro	Val	Gly	Glu	Asn	Gly	Ile	
225					230					235					240	
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Val																

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Gln	Phe	Tyr	His	Leu	Gly	Trp	Val	Thr	Gly	Thr	Gly	Gly	Gly	Ile	Ser
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Leu	Lys	His	Gly	Asn	Glu	Ile	Tyr	Ile	Ala	Pro	Ser	Gly	Val	Gln	Lys

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Glu Arg Ile Gln Pro Glu Asp Met Phe Val Cys Asp Ile Asn Glu Gln		
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Asp Ile Ser Gly Pro Pro Ala Ser Lys Lys Leu Lys Lys Ser Gln Cys		80
	85	90
Thr Pro Leu Phe Met Asn Ala Tyr Thr Met Arg Gly Ala Gly Ala Val		95
	100	105
Ile His Thr His Ser Lys Ala Ala Val Met Ala Thr Leu Leu Phe Pro		110
	115	120
Gly Gln Glu Phe Lys Ile Thr His Gln Glu Met Ile Lys Gly Ile Arg		125
	130	135
Lys Cys Thr Ser Gly Gly Tyr Tyr Arg Tyr Asp Asp Met Leu Val Val		140
145	150	155
Pro Ile Ile Glu Asn Thr Pro Glu Glu Lys Asp Leu Lys Glu Arg Met		160
	165	170
Ala His Ala Met Asn Glu Tyr Pro Asp Ser Cys Ala Val Leu Val Arg		175
	180	185
Arg His Gly Val Tyr Val Trp Gly Glu Thr Trp Glu Lys Ala Lys Thr		190
	195	200
Met Cys Glu Cys Tyr Asp Tyr Leu Phe Asp Ile Ala Val Ser Met Lys		205
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Lys Met Gly Leu Asp Pro Thr Gln Leu Pro Val Gly Glu Asn Gly Ile		220
225	230	235
Val		240

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 1 5 10 15

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<220>
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 20 25 30

Ser Cys

<210> 7
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Peptide

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Primer

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<213> Artificial Sequence

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